

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventor(s): Hideto MOTOMURA

Application No.: New Patent Application

Filed: November 13, 2000

For: METHOD OF NORMALIZING COLOR INFORMATION,  
METHOD OF EXCHANGING COLOR INFORMATION  
USING THE SAME METHOD AND DEVICE  
USING THE SAME METHODS

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, DC 20231

Sir:

Prior to calculation of filing fee, please amend the above-captioned application as follows:

IN THE SPECIFICATION:

Page 1, line 7, after "information" insert --,--, and after  
"as well as a" insert --color information exchanging--;

line 15, change "to popularize" to --popularization of  
a--;

line 17, before "such" insert --(-- and after "display"  
add --) with--;

line 19, change "due" to --thanks--;

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line 22, delete "Software", and insert --There is a  
demand for color management systems (CMS), i.e., software--; and  
change "colorimetric" to --colorimetric--;

line 23, after "environments" delete "," and insert  
--and--;

line 24, after "quality" change "," to --- and delete  
"namely color management systems (CMS), are demanded."

Page 2, line 2, after "takes" insert --in -- and delete  
"and",

line 3, delete "would" and change "process" to  
--processes--;

line 6, change "through" to --in-- and after "via"  
insert  
--the--;

line 11, change "mapping" to --mapping--;

line 13, after "as" insert --possible to--;

line 15, change "naturally" to --natural--;

line 18, change "." to ---;

line 21, change "standardize" to --standardized--;

line 22, after "i.e." insert --,--;

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line 25, after "system" insert --,-- and after "both"  
insert --of which--;

line 27, change "devices" to --device--.

Page 3, line 5, after "camera," change "printer and" to  
--and printer, and is--;

line 7, change "is" to --are--;

line 16, change "appearance"." to --appearance.--;

line 17, change "environments" to --environment--;

line 18, delete "as" (second occurrence); and insert  
--which is the--.

Page 4, line 12, after "i.e." insert --,--;

line 16, after "has" insert --a--;

line 20, delete "of";

line 21, change "methods" to --method--;

line 23, after "devices" insert --,--;

line 27, change "perceive" to --perceiving--.

Page 5, line 17, delete "Let's" and change "consider" to  
--Consider--;

line 26, delete "the".

Page 6, line 6, change "adjusted" to --adjustment--;

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line 7, change "adjusted" to --adjustment--(first and second occurrences);

line 11, after "color," insert --the method-- and change "change" to --changes--;

line 15, delete "based" and after "on" insert --a--;

line 16, change "base" to "basis";

line 17, change "increasing" to --increased-- and delete "of";

line 21, after "by" insert --a--;

line 22, change "increasing" to --increased-- and delete "of";

line 25, delete "process".

Page 7, line 4, change "of" to --and device for--;

lines 4 and 5, delete "and a device using the method";

line 5, after "method" insert --includes (1) grouping-- and delete "is to group";

line 6, after "categories," insert --(2)--, delete "and", and change "produce" to --producing a--;

line 8, after "as" (second occurrence) insert --a--;

line 9, after "center," delete "." and insert --(3) mapping--, and delete "Then".

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line 10, after "spaces" insert --,-- and delete "are mapped,";

line 11, delete "and" and insert --(4) finding--;

lines 11 and 12, change "is found, then" to --and, (5) preserving--;

line 13, delete "are preserved";

line 14, change "difference" to --differences that are-- and change "little" to --small--;

line 21, change "responds" to --provides in response--;

line 25, delete blank space to end of line;

line 26, after "device" insert --,--.

Page 8, line 1, after "viewer" insert --provides in--;

line 2, change "responds" to --response--;

line 4, after "values" change "," to --,-- and delete blank space to end of line;

Page 9, line 6, change "Mac Adam" to --MacAdam--;

line 7, change "Mac Adam's" to --MacAdam's--;

line 10, delete "101";

line 12, delete "704";

line 15, delete "705".

Page 10, line 11, after "on" insert --the--;

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line 14, after "on" insert --the--.

Page 11, line 26, after "on" insert --the--.

Page 12, line 6, change "printer's" to --printer-- and after  
"Then" insert --,--;

line 9, change "are" to --will now be--;

line 21, after "display" insert --,--.

Page 13, line 14, after "Therefore," insert --there is a  
need for--;

line 15, delete "is predicted how" and insert --with--;

line 16, change "appears" to --appearing-- and delete  
"-- is required";

line 18, change "Fig. 3 shows" to --Figs. 3(a) and 3(b)  
show--;

line 24, after "i.e." insert --,--;

line 26, before "discussed" insert --as--;

line 27, change "Fig. 3" to --Figs. 3(a) and 3(b)--.

Page 14, line 8, change "Fig. 3" to --Figs 3(a) and 3(b)--;

line 9, after "however" insert --,--;

line 13, after "printer" insert --,-- and delete "and";

line 14, after "Thus" insert --,--;

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line 16, change "improve" to --improving--;

line 19, change "Mac Adam" to --MacAdam--, delete

"ditto" and insert --Basic Color Engineering, by Mitsuo Ideda,--;

line 24, change "Mac Adam's" to --MacAdam's--.

Page 15, line 3, after "of" insert --the--;

line 4, change "region" to --regions--;

line 21, after "time" insert --,--;

line 23, change "variance covariance" to

--variance-covariance--;

line 26, after "distance," insert --and-- and after

"then" insert --is--.

Page 16, line 3, after "(b)" insert --a--;

line 4, after "(c)" insert --a--;

line 9, change "into" to --in--;

line 18, after "oval" insert --configuration--, after

"previously" insert --,-- and after "thus" insert --,--.

Page 18, line 9, after "matrix," insert --and--;

line 13, change "inside" to --internal--;

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line 19, after "matrix" insert --,-- and change "these"  
to --which--;

line 22, change "variance covariance" to  
--variance-covariance-- and change "then" to --which--.

Page 19, line 6, after "i.e." insert --,--;

line 7, after "804," inset --and--;

line 8, after "i.e." insert --,--;

line 14, change "inside" to --internal--;

line 20, change "them" to --which--;

line 23, change "them" to --which--.

Page 20, line 1, after "vector" delete ", (b)" and insert  
--and--;

line 2, change "(c)" to --(b)--;

line 3, after "vector" delete ", (d)" and insert  
--and--;

line 24, after "rendered" insert --,--.

Page 21, line 3, change "A" to --The--;

line 4, delete "it",

line 10, after "paper" insert --sheet--;

line 17, change "is" to --are--;



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line 18, before "Basic" insert "--"--,

line 19, before "Their" delete "", and change  
"Evolution", " to --Evolution, "--,

line 21, change "any" to --all--;

line 23, delete "Mr.";

line 24, change "basic color terms", " to --Basic Color  
Terms, "--.

Page 22, line 4, delete "Mr.";

line 5, change "categorical colors", " to --Categorical  
Colors, "--;

line 6, change "color engineering conference" to -  
--Color Engineering Conference--;

line 9, after "of" insert --the-- and after  
"determining" delete "the";

line 19, change "comparing" to --compared--;

line 25, change "with" to --while--.

Page 23, line 1, change "with" to --while--;

line 3, delete "the";

line 6, after "1101," insert --and--;

line 9, delete "Input" and insert therefor --In step  
1103, --;

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line 10, delete "in step 1103,"; before "both" insert -  
--(--, delete "are"; after "naming" delete "," and insert --)--,  
delete "then further input" and insert therefor --are input, and  
in step 1104,--;

line 11, change "variance covariance" to  
--variance-covariance--; delete "in step 1104" and insert  
therefor --are input--;

line 12, delete "Calculate" and insert therefor --In  
step 1105,--;

line 13, after "categories" insert --are calculated--;

line 14, delete "in step 1105";

line 17, after "Then" insert --,--;

line 24, delete "search" and insert therefor --in step  
1108,--;

line 25, delete "in step 1108" and insert --are  
searched--;

line 26, change "Printer" to --In step 1109, printer--;  
delete "in";

line 27, delete "step 1109".

Page 24, line 4, after "to" insert --the following--;

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line 18, change "is" to --are--.

Page 26, line 9, change "interporating" to

--interpolating--;

line 10, after "information" delete "," and insert

--which--;

line 20, after "has" insert --a--;

line 21, after "has" insert --a--.

Page 27, line 13, after "of" insert --the--;

Page 29, line 5, after "works" insert --in a manner--;

line 9, after "converts" insert --the--;

line 10, after "into" insert --the--;

line 19, change "interporating" to --interpolating--

and after "information" delete "," and insert --that--;

line 23, change "scales" to --scale--;

line 25, after "display" insert --,--;

Page 30, line 7, change "Then" to --Now,-- and after "i.e."  
insert --,--;

line 17, after "controlled" insert --so as--.

Page 32, line 9, after " $W_{m,1}$ " insert --,--;

line 14, after "i.e." insert --,--;

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line 20, delete "input" and insert therefor --in step  
12002,--;

line 21, delete "in step 12002" and insert therefor --  
are input--; delete "set" and insert therefor --then--; and after  
"color" insert --is set--;

line 25, delete "Calculate" and insert therefor --Step  
12004 calculates--;

line 26, delete "in step 12004",

line 27, delete "Give" and insert therefor --Step 12005  
gives--.

Page 33, line 1, delete "in step 12005", after "Then" insert  
--step 12006--; and change "compare" to --compares--;

line 2, delete "in step 12006",

line 3, delete "renew",

line 4, after "color" insert --is renewed--; after  
"and" insert --the process"; and change "return" to --returns--;

line 5, before "the" (first occurrence) insert --if--;  
delete "end"; and after "search" insert --is ended--;

line 6, after "and" delete "send"; after "color" insert  
--is sent--; and after "value" change "," to ---.

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line 7, change "then" to --Then,--, delete "complete,  
and after "process" insert --is completed--;

line 12, delete "has",

line 24, after "to" insert --a--.

Page 34, line 12, after "mapping)" change "," to --,-- and  
change "then" to --thus,--;

line 15, after "to" insert --a--;

line 17, after "to" insert --an--;

line 20, after "i.e." insert --,--;

line 24, after "to" insert --a--;

line 27, after "of" insert --the--.

Page 35, line 1, after "and" insert --the-- and change  
"does" to --represents--;

line 14, after "i.e." insert --,--;

Page 36, line 10, after "Then" insert --,--;

line 21, after "color" change "," to --,-- and delete  
"an",

line 23, change "inner" to --internal--.

Page 37, line 3, change "is" to --performs--;

line 4, change "undergoes" to --employs--;

line 6, change "undergo" to --are provided to--;

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line 23, change "Insides" to --Inside--;

line 25, after "display" insert --- and change  
"black" to --Black--;

line 26, after "H," change ",," to --- and change  
"inside" to --Inside--.

Page 38, line 2, after "2202" change ",," to --,--.

Page 40, line 16, after "display" insert --,-- and change  
"does" to --represents--;

line 20, after "display" insert --,-- and change "does"  
to --represents--;

line 21, after "draws" insert --the--;

line 26, change "does" to --represents--.

Page 41, line 1, after "display," insert --and--;

line 8, after "display," insert --and--;

line 13, change "is" to --are--;

line 17, after "i.e." insert --,--

line 26, after "i.e." insert --,--.

Page 43, line 7, change "rang" to --range--;

line 12, change "with" to --while--;

line 16, after "i.e." insert --,--;

line 18, after "Thus" insert --,--.

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Page 44, line 10, after "difference-correction-coefficient)"  
change "," to --,--;

Page 47, line 18, after "i.e." insert --,--;

line 20, after "i.e." insert --,--.

Page 48, line 10, change "does" to --represents--;

line 12, after "i.e." insert --,--;

line 14, after "i.e." insert --,--.

Page 49, line 24, change "comparing" to --compared--.

Page 50, line 3, after "e.g." insert --,--;

line 10, after "i.e." insert --,--.

Page 51, line 11, after "2910" insert --,-- and delete  
"and",

line 15, after "Then" insert --,--;

Page 53, line 19, change "database21101" to --database  
21101--.

Page 55, line 2, after "14" change "," to --,--;

line 20, after "i.e." insert --,--.

Page 56, line 10, change "as mapping" to --to map--;

line 13, change "as mapping" to --to map--;

line 16, change "as" to --to--;

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line 23, after "i.e." insert --,--.

Page 60, line 13, after "categories" change "," to --,-- and  
after "thus" insert --,--.

Page 61, line 9, change "as covering" to --to cover--;

line 26, after "Then" insert --,--.

Page 62, line 2, change "as keeping" to --to keep--;

line 7, after "i.e." insert --,--;

line 8, after "i.e." insert --,--.

Page 63, line 22, change "gravity-contorl-point" to  
--gravity-control-point--.

Page 64, line 9, after "i.e." insert --,--.

Page 66, line 11, after "therefrom" change "," to --- and  
change "then" to --Then-

Page 67, line 23, after "to" insert --the--.

Page 68, line 14, after "21406," insert --and--;

line 27, after "in" insert --employing--.

Page 70, line 5, after "appear" insert --to have--;

line 16, change "realized" to --realizes--;

after line 19, insert the following paragraph:



--Although the present invention has been fully described by way of examples with reference to the accompanying drawings, it should be understood that numerous variations, modifications and substitutions, as well as rearrangements and combination, of the preceding embodiments will be apparent to those skilled in the art without departing from the novel spirit and scope of this invention.--

IN THE CLAIMS:

Claim 1, line 3, change "colorimetric" to --colorimetric--,  
line 7, change "watching" to --observing--,  
line 12, change "value" to --values--.

Claim 3, line 2, change "the naming" to --step (c)--.

Claim 5, line 2, change "the naming" to --step (c)--; change "practiced" to --performed--; and change "an" to --a--.

Claim 6, line 2, change "the naming" to --step (c)--; change "practiced" to --performed--; and change "an" to --a--.

Claim 9, line 2, after "of" insert --(i)-- and after "device," insert --(ii)--;

line 3, after "and" insert --(iii)--.

Claim 10, line 4, after "of" (second occurrence) insert  
--(i)-- and after "device," insert --(ii)--,

line 5, after "and" insert --(iii)--.

Claim 13, line 3, after "device" insert --,--,

line 5, change "other" to --another-- and after "point"  
insert --, other--,

line 6, after "device" insert --,--,

line 7, change "other" to --another-- and after "point"  
insert --, other--.

Claim 14, line 3, change "the other" to --another--,

line 4, change "an" to --a--.

Claim 15, line 3, change "the other" to --another--.

Claim 16, line 4, change "the other" to --another--,

line 5, after "device" insert --,--,

line 6, change "other" to --another-- and after "point"  
insert --, other--,

line 7, after "point" insert --,--,

line 8, change "other" (first occurrence) to  
--another--; after "point" (first occurrence) insert --, other--;  
after "point" (second occurrence) insert --,--; and change  
"other" (second occurrence) to --another--.

Claim 19, line 2, after "wherein" insert --the mapping includes--, and after "points" insert --which--.

Claim 23, line 6, change "watching" to --observing--;

line 9, after "name," delete "and",

Claim 24, line 6, change "watching" to --observing--;

line 11, after "name," insert --and--.

Claim 28, line 2, after "of" insert --(i)--;

line 3, after "and" insert --(ii).

Claim 29, line 4, after "of" insert --(i)-- and after "and" insert --(ii)--.

Claim 34, line 2, delete "a".

Claim 35, line 2, after "of" insert --a-- and change "points" to --point--;

line 3, after "of" (second occurrence) insert --a--;

line 6, change "the other" to --another--;

line 7, change "the other" to --another--.

IN THE ABSTRACT:

Line 1, after "ABSTRACT" insert "OF THE DISCLOSURE".

Line 2, after "method" delete "of" and insert therefor --and device for--; delete "the steps of",

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line 6, after "and" insert --a--;

line 12, after "method" insert --and device provide a result  
wherein--;

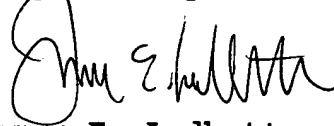
line 13, delete "achieves that";

lines 13 and 14, delete "produce difference as little as  
possible" and insert therefor --have differences that are  
rendered as small as possible--.

REMARKS

This Preliminary Amendment makes various editorial revisions  
to the specification, claims, and Abstract. Early and favorable  
consideration of this application is respectfully requested.

Respectfully submitted,



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Date: November 13, 2000

JEL/lmq

ATTORNEY DOCKET NO. L8458.00101

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The Official Dating Stamp of the Patent and Trademark Office Hereon  
is acknowledgment of the filing of:

New Patent Application: 70 pgs. Spec., 44 Claims, Abstract, 25 sheets of dwgs.  
(Figs. 1-26); Information Disclosure Statement w/PTO-1449 w/1 JP pat. doc.  
(in Japanese) w/1 abstract (in English) thereof; Letter to PTO re: Rule 53;  
Preliminary Amendment.

Description of paper:

New Utility Patent Transmittal (in dup.)

Name of

Applicant(s): Hideto MOTOMURA

Serial No.: New Patent Application

Atty. File No.: L8458.00101 Sender's Initials: JEL/lmg

jc813 U.S. PTO

09/709436



11/13/00

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